

22 December 1965

Subject: GR ECPs 34, 40, and 42

Dear Chuck,

STATINTL  
These ECPs are technically approved by the SPO.  
Request that you provide  with formal authority to  
proceed on them.

Regarding ECP 34, it is our understanding that  
the -105 and -107 circuit boards will be fully interchangeable,  
and that Nat's tech data will be revised to indicate this.

Regards,

*George*

STATINTL  
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STATINTL

<b>GA - 531</b>		ENGINEERING STUDY <input type="checkbox"/> CHANGE PROPOSAL <input checked="" type="checkbox"/>	<b>GR- 34</b>
DATE 11-12-65		AFFECTS: GA531 SLR	
NAME OF MAJOR COMPONENT Recorder		PART OR LOWEST SUBASSEMBLY Ramp Amplifier P.C. Board	PART NO. MODEL OR TYPE 531A707-010-105 (old) 531A707-010-107(new)
TITLE OF PROPOSAL: Reduce oscillation in Ramp Amplifier Circuit.			
NATURE OF PROPOSAL: Remove capacitor C4 Change resistor R12 to RN25C8251F Change resistor R16 to RN60C1501F			
REASON FOR PROPOSAL: Reduce Ramp Amplifier tendency to oscillate between sweeps which have been encountered by manufacturing tolerances.			
<b>ES</b>	ESTIMATED COST AND TIME INVOLVED: ADDITIONAL FUNDING REQUIRED:		
<b>CP</b>	ESTIMATED COST FOR KITS OR PARTS: ADDITIONAL FUNDING REQUIRED: N/A		
ITEMS AFFECTED BY PROPOSAL: Production Units A7002-15 and subs in line. Handbooks.			
SAFETY <input type="checkbox"/>	MISSION EFFEC- TIVENESS <input type="checkbox"/>	PERFORM- ANCE <input checked="" type="checkbox"/>	OPERATING PROCEDURE <input type="checkbox"/>
INTER- CHANGE- ABILITY <input type="checkbox"/>	WEIGHT OR WEIGHT AND BALANCE <input type="checkbox"/>	TOOLS AND SUPPORT EQUIPMENT <input type="checkbox"/>	MAINTEN- ANCE PROCEDURE <input type="checkbox"/>
SERVICE LIFE <input type="checkbox"/>	FLIGHT MANUAL <input type="checkbox"/>	MAINTEN- ANCE MANUAL <input type="checkbox"/>	
ESTIMATED MAN HOURS REQUIRED TO ACCOMPLISH CHANGE IN FIELD: N/A			
SOURCE OF PARTS FOR KIT: GR		AVAILABILITY _____ WEEKS AFTER APPROVAL	
DISPOSITION OF SPARES AFFECTED: PPB to be revised by change notice to PSO.			
			STATINTL

<b>GA - 531</b>		ENGINEERING STUDY <input type="checkbox"/>	<b>GR- 40</b>							
CHANGE PROPOSAL <input checked="" type="checkbox"/>										
DATE 11-22-65		AFFECTS: GA531 SLR								
NAME OF MAJOR COMPONENT <b>Receiver</b>		PART OR LOWEST SUBASSEMBLY <b>Electron Tube</b>		PART NO. MODEL OR TYPE 531A400-916-103 (Old) 531A400-916-105 (New)						
TITLE OF PROPOSAL: <b>Change Electron Tube Specification Control Drawing</b>										
NATURE OF PROPOSAL: 1. Change specification control drawing performance section. 2. Change present mounting holes to slotted holes.										
REASON FOR PROPOSAL: 1. To insure specification of critical environmental performance characteristics. 2. To insure physical interchangeability.										
<b>ES</b>	ESTIMATED COST AND TIME INVOLVED: ADDITIONAL FUNDING REQUIRED: _____									
<b>CP</b>	ESTIMATED COST FOR KITS OR PARTS: ADDITIONAL FUNDING REQUIRED: <b>N/A</b>									
ITEMS AFFECTED BY PROPOSAL: <b>531A400-916-105 Electron tube. This will be an in line change at depletion of present stock.</b>										
SAFETY <input type="checkbox"/>	MISSION EFFEC- TIVENESS <input checked="" type="checkbox"/>	PERFORM- ANCE <input checked="" type="checkbox"/>	OPERATING PROCEDURE <input type="checkbox"/>	INTER- CHANGE- ABILITY <input checked="" type="checkbox"/>	WEIGHT OR WEIGHT AND BALANCE <input type="checkbox"/>	TOOLS AND SUPPORT EQUIPMENT <input type="checkbox"/>	MAINTENANCE PROCEDURE <input type="checkbox"/>	SERVICE LIFE <input type="checkbox"/>	FLIGHT MANUAL <input type="checkbox"/>	MAINTENANCE MANUAL <input type="checkbox"/>
ESTIMATED MAN HOURS REQUIRED TO ACCOMPLISH CHANGE IN FIELD:										
SOURCE OF PARTS FOR KIT:			AVAILABILITY _____ WEEKS AFTER APPROVAL							
DISPOSITION OF SPARES AFFECTED: <b>Spares affected will be to latest configuration. PPB will be revised by change notice to PSO</b>										
INITIATE				STATINTL						

<b>GA - 531</b>	ENGINEERING STUDY <input type="checkbox"/> CHANGE PROPOSAL <input checked="" type="checkbox"/>	<b>GR - 42</b>								
DATE <b>11-22-65</b>	AFFECTS: <b>GA531A SLR</b>									
NAME OF MAJOR COMPONENT <b>Recorder</b>	PART OR LOWEST SUBASSEMBLY <b>BITE P.C. Board</b>	PART NO. MODEL OR TYPE <b>531A710-005-103 (old)</b> <b>531A710-005-105 (new)</b>								
TITLE OF PROPOSAL: <b>Change Resistor Value</b>										
NATURE OF PROPOSAL:  Change resistor R11 on BITE P.C. Board 531A710-005-103 from RL20AD183J to RL20AD182J. Change BITE P.C. Board Part No. from 531A710-005-103 to 531A710-005-105. A Mod. No. will be assigned to this change.										
REASON FOR PROPOSAL:  To reduce the false alarm rate of the Recorder BITE operation.										
<b>ES</b>	ESTIMATED COST AND TIME INVOLVED: ADDITIONAL FUNDING REQUIRED:									
<b>CP</b>	ESTIMATED COST FOR KITS OR PARTS: <b>N/A</b> ADDITIONAL FUNDING REQUIRED:									
ITEMS AFFECTED BY PROPOSAL: <b>Production units S/N A7002-16 and subs in line. S/N 7002-9 thru 13 to be retrofitted; S/N A7002-14 and 15 comply.</b>										
SAFETY	MISSION EFFEC-TIVENESS	PERFORM-ANCE	OPERATING PROCEDURE	INTER-CHANGE-ABILITY	WEIGHT OR WEIGHT AND BALANCE	TOOLS AND SUPPORT EQUIPMENT	MAINTENANCE PROCEDURE	SERVICE LIFE	FLIGHT MANUAL	MAINTENANCE MANUAL
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ESTIMATED MAN HOURS REQUIRED TO ACCOMPLISH CHANGE IN FIELD: <b>30 Min. disassemble; 1 hour test; 30 Min. assemble.</b>										
SOURCE OF PARTS FOR KIT: <b>GR</b>						AVAILABILITY <u>3</u> WEEKS AFTER APPROVAL				
DISPOSITION OF SPARES AFFECTED: <b>Spares to be reworked to latest configuration. PPB to be revised by Change Notice to PSO.</b>										
INITIALS	APPROVED	STATINTL								

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